## WHAT IS CLAIMED IS:

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1. A disk unit, connectable to a server computer and a client computer via

- 4 a network, wherein the server computer manages function that the client computer
- requests to execute and manages data stored in the disk unit, the disk unit comprising:
- 6 disk storage media for storing data; and
- a control unit having a memory for storing function and function information
- 8 relating to execution of the function that are sent from the server;
- 9 wherein said control unit executes the function in response to function execute request
- from the client computer and restricts, based on the function information, accesses for
- the data stored in said disk storage media during execution of the function.

2. A disk unit according to claim 1, wherein

the function is a selection or extraction process in a database.

- 3. A disk unit according to claim 1, wherein.
- the function is a direct data transfer between the client and disk units without
- passing through the server the duplication of data among.
  - 4. A disk unit according to claim 1, wherein.

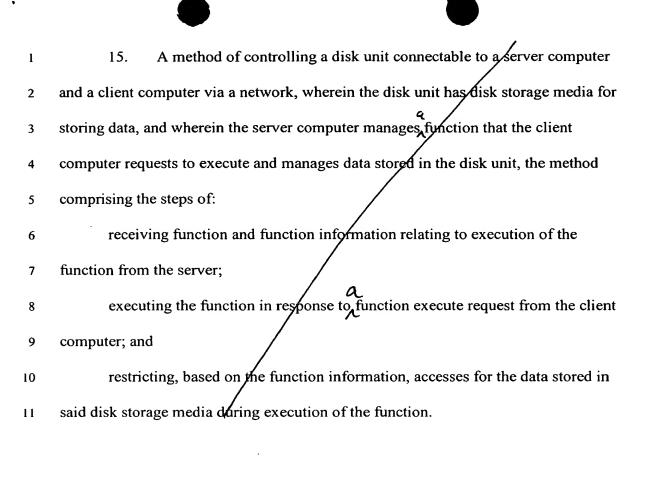
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5	function in the case that execution of the function was not successful and restores data
6	stored in disk said storage media to its state prior to execution of the function only in
7	the case where a command has been set in the function information to restore data
8	stored in said disk storage media to its state prior to execution of the function in the
9	case that execution of the function was not successful.
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1	9. A disk unit according to claim 7, wherein.
2	said control unit does not overwrite non-updated data with data updated from
3	the function execution, until the execution of the function is complete.
1	10. A disk unit according to claim 8, wherein said disk unit is
2	characterized by said control unit that does not overwrite non-updated data with data
3	updated from the function execution, until the execution of the function is complete.
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1	11. A disk unit according to claim 9, wherein
2	said control unit stores data updated from said function execution in the
3	memory.
ı	12. A server computer, connectable to a client computer and a disk unit via
2	a network, comprising:
3	storage unit for storing a program; and

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4	processing unit for executing the program stored in the storage unit;
5	wherein the program has the steps of:
6	creating function information to restrict the access area for data stored in the
7	disk unit at each function execute request in the case that a function execute request
8	from the client computer is received, which is performed at the disk unit; and
9	sending the function and the function information to the disk unit.
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1	13. A server unit according to claim 12, wherein
2	said processing unit receives at least user ID information from the client computer and
3	creates the function information to restrict the access area based on the user ID
4	information that was received.
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5	14. A disk unit, connectable to a client computer via a network,
2	comprising:
3	disk storage media to store data, and
4	a control unit, wherein
5	said control unit receives function execute requests and user ID information
6	from a client unit via a network and based on said user ID information, creates
7	function information to restrict the access area for data stored in said storage media at
8	each function execute request, and restricts the access area based on said function
9	information.
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- 16. A method of controlling a disk unit according to claim 15, whereing the function is a selection or extraction process in a database.
- 1 17. A method of controlling a disk unit according to claim 15, wherein 2 the function is a direct data transfer between the client and disk units without passing through the server, the pupilication of data among.
- 1 18. A method of controlling a disk unit according to claim 15, whereing
  the function information comprises a list that indicates the accessible area, and
  wherein said control unit restricts accesses for the data based on the list.

5	1	19. A method of postloading function requested to execute from a client
	2	computer from a server computer to a disk unit connected to
	3	comprising the steps of:
-	4	creating function information to restrict the access area for data stored in the
<u>~</u>	5	disk unit for each function requested to execute from the client computer;
-	6	sending the function and the function information to the disk unit.
	5	20. A client server system comprising: a client computer;
	3	a server computer connected to the client computer; and
	4	a disk unit connected to the client computer and the server computer, the disk
u Tu	5	unit having disk storage media for storing data;
	6	wherein said client computer requests function execution to said server
	7	computer, and wherein said server computer creates function information relating to
_	8	execution of the function that are requested to execute from said client computer, and
	9	wherein said disk unit receives the function and the function information from the
۵	10	server computer, executes the function and restricts based on the function information,
	11	accesses for the data stored in said disk storage media during execution of the

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